

## REMARKS

Claims 1-20 are pending in the application. Claims 1, 7 and 14 were amended. Support for the amendment may be found throughout the specification and drawings. Attached hereto is a marked up version titled "Version with Markings to Show Changes Made."

### *Claim Rejections*

The Examiner rejected Claims 1-4 and 6-20 under 35 U.S.C. §102(b) as being anticipated by Tosaki, U.S. Patent No. 6,272,020. The Examiner also rejected Claim 5 under 35 U.S.C. §103(a) as being unpatentable over Tosaki in view of Hussain, U.S. Patent No. 6,344,684. The Applicants respectfully disagree.

However, the Applicants have amended the claims to indicate that while the set of contacts of first configuration and second configuration have a similar size, the arrangement of functions of the first configuration and the second configuration are different, which is not disclosed, taught or suggested by the submitted references. Through changing the arrangement of the contacts, a preexisting chip may be utilized for testing and the like of a circuit board, even a chip of the same size of contact area of the circuit board, but having a different arrangement of pins. See FIGS. 1A, 1B, & 3F and related description. Arrangement pertains to pins and the corresponding functionality of the pins with respect to each other, as shown in the following excerpt and shown in FIGS. 1A and 1B:

In this way, an integrated circuit may have a configuration depending on the arrangement of contacts and corresponding functions of the arranged contacts. For instance, a contact 106 may be configured to provide a first function in a first configuration. However, in certain instances it may be desirable to utilize the integrated circuit with a device having a second configuration, which may be incompatible with the first configuration.

For example, as shown in FIG. 1B, a circuit board 110 includes a substrate 112 having a plurality of contacts 114. The contacts 114 are suitable for providing an electrical pathway and contact with contacts 104 disposed on an integrated circuit 100 (FIG. 1A). However, the configuration of the circuit board 110 is different from the integrated circuit 100. For example, a contact 106 (FIG. 1A) having a first function may not be arranged with a corresponding contact 116 having the first function of the circuit board 110. For

instance, such as if the integrated circuit was arranged directly on a circuit board so that the corresponding functions did not align. Thus, contacts of the first configuration are out of position with contacts of a second configuration of the circuit board, making the circuit board and integrated circuit incompatible as configured.

*Application*, Page 6, Lines 9-24.

Therefore, the positioning of pins and the corresponding functions are different in the first configuration and second configuration, as claimed. In the Tosaki reference, the size of the contact area is changed so that a capacitor may be included. There is no teaching or suggestion in the Tosaki reference for changing the arrangement of the connections in a configuration while maintaining size of the contact area as claimed. Therefore, it is respectfully submitted that a *prima facie* showing of anticipation has not been established.

Claims 2-6, 8-13 and 15-20 are believed to be allowable based on dependence from an allowable claim.


Withdrawal of the rejections is respectfully requested.

#### CONCLUSION

In light of the forgoing, reconsideration and allowance of the claims is earnestly solicited.

Respectfully submitted,  
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please amend the claims as follows:

2. (Amended) A converter device, comprising:  
a board having a first side and a second side, wherein  
the first side includes a first set of contacts suitable for electrically contacting an integrated circuit having a first configuration; and  
the second side includes a second set of contacts suitable for electrically contacting a circuit board having a second configuration, wherein the second set of contacts are communicatively coupled to the first set of contacts;  
wherein contacts having a function configured in the first configuration are not arranged with contacts having a corresponding function configured in the second configuration, and wherein the set of contacts of the first configuration and the second configuration have a substantially similar size.
  
7. (Twice Amended) An apparatus, comprising:  
an integrated circuit including a set of contacts, wherein the integrated circuit set of contacts is suitable for operation in a first configuration, the first configuration having an arrangement of contacts and corresponding functions of arranged integrated circuit contacts;  
a circuit board including a set of contacts, wherein the circuit board set of contacts is suitable for operation in a second configuration, the second configuration having an arrangement of contacts and corresponding functions of arranged circuit board contacts, wherein the contacts of the second configuration are situated to correspond to the contacts of the first configuration of the integrated circuit, and arrangement of functions of the contacts of the second configuration does not correspond to

arrangement of functions of the contacts of the first configuration; and  
a converter device disposed between the integrated circuit and the circuit board,  
wherein the converter board includes

a first set of contacts suitable for contacting the integrated circuit  
having the first configuration, and

a second set of contacts suitable for contacting the circuit board  
having the second configuration, wherein the first set of  
contacts is communicatively coupled to the second set of  
contacts and wherein contacts having a function  
configured in the first configuration are not arranged with  
contacts having a corresponding function configured in the  
second configuration.

14. (Twice Amended) An apparatus, comprising:

an integrated circuit including a set of contacts, wherein the integrated circuit set  
of contacts is suitable for operation in a first configuration, the first  
configuration having an arrangement of contacts and corresponding  
functions of arranged integrated circuit contacts;

a circuit board including a set of contacts, wherein the circuit board set of  
contacts is suitable for operation in a second configuration, the second  
configuration having an arrangement of contacts and corresponding  
functions of arranged circuit board contacts, wherein the contacts of the  
second configuration are situated to correspond to the contacts of the first  
configuration of the integrated circuit, and arrangement of functions of  
the contacts of the second configuration does not correspond to  
arrangement of functions of the contacts of the first configuration; and

a converter device disposed between the integrated circuit and the circuit board,  
wherein the converter device includes a first set of contacts suitable for  
contacting the integrated circuit having the first configuration and a  
second set of contacts suitable for contacting the circuit board having the

second configuration, the first set of contacts electrically coupled to the second set of contacts, wherein contacts having a function configured in the first configuration are not arranged with contacts having a corresponding function configured in the second configuration.